

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 587	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/GB2004/002615	International filing date (day/month/year) 18/06/2004	(Earliest) Priority Date (day/month/year) 18/06/2003

Applicant

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This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
2.  Certain claims were found unsearchable (See Box II).
3.  Unity of invention is lacking (see Box III).
4. With regard to the title,
- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

- as suggested by the applicant.
- as selected by this Authority, because the applicant failed to suggest a figure.
- as selected by this Authority, because this figure better characterizes the invention.
- b.  none of the figures is to be published with the abstract.

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B60R1/02 B60R1/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60R G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/102621 A (PERKES JASON STEPHEN ; SOUTH BANK UNIVERSITY ENTPR LT (GB)) 27 December 2002 (2002-12-27) the whole document -----	1-7, 11, 14, 15
Y	US 2002/005778 A1 (JOHNSON WENDELL C ET AL) 17 January 2002 (2002-01-17) paragraph '0002! - paragraph '0013! paragraph '0111! - paragraph '0161! paragraph '0177! paragraph '0192! - paragraph '0204! paragraph '0220! - paragraph '0221! paragraph '0241! figure 3 figure 11 ----- -/-	5, 8-10  1-11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

22 September 2004

Date of mailing of the international search report

29/09/2004

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Seisdedos, M

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 198 01 205 A (VOLKSWAGENWERK AG) 30 July 1998 (1998-07-30) column 4, line 17 - line 29 -----	5,8-10
Y	US 6 169 478 B1 (HADA SATOSHI ET AL) 2 January 2001 (2001-01-02) column 7, line 65 - column 8, line 10 -----	5,8-10
Y	EP 1 312 506 A (FIAT RICERCHE) 21 May 2003 (2003-05-21) the whole document -----	1-7,11
A	US 5 963 127 A (LANG HEINRICH ET AL) 5 October 1999 (1999-10-05) the whole document -----	1-15
A	US 5 306 953 A (WEINER ROBERT I) 26 April 1994 (1994-04-26) the whole document -----	1-15

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 02102621	A	27-12-2002	CA EP WO US	2450642 A1 1401679 A1 02102621 A1 2004165292 A1		27-12-2002 31-03-2004 27-12-2002 26-08-2004
US 2002005778	A1	17-01-2002	US AU GB JP WO	2004148057 A1 5964001 A 2369737 A 2003532959 T 0185491 A1		29-07-2004 20-11-2001 05-06-2002 05-11-2003 15-11-2001
DE 19801205	A	30-07-1998	DE	19801205 A1		30-07-1998
US 6169478	B1	02-01-2001	JP JP DE	3330313 B2 11175898 A 19856823 A1		30-09-2002 02-07-1999 24-06-1999
EP 1312506	A	21-05-2003	IT EP	T020011057 A1 1312506 A2		07-05-2003 21-05-2003
US 5963127	A	05-10-1999	DE BR EP	29617413 U1 9704943 A 0834424 A1		21-11-1996 27-04-1999 08-04-1998
US 5306953	A	26-04-1994		NONE		